

April 7, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: James D. Smith, Senior Reclamation Specialist

RE: 2002 Second Quarter Water Monitoring, Energy West Mining Company, Deer Creek Mine, C/015/018-WQ02-2

- 1. Were data submitted for all of the MRP required sites?** YES [] NO [X]
Identify sites not monitored and reason why, if known:

The Division has not received the following data for the second quarter of 2002:

	<u>April</u>	<u>May</u>	<u>June</u>
RCF1	Flow		
EM-47			Level
DRC01			Operational
MHC01			Operational

Flow at HCC01 is measured daily by Utah Power and reported by PacifiCorp in the Annual Report.

- 2. On what date does the MRP require a five-year resampling of baseline water data.**
See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

Resampling Due Date

Renewal submittal due 10/07/00, renewal due 2/07/01. Baseline analyses were performed in 1996 and 2001 and will be repeated every 5 years, i.e., next baseline analyses will be in 2006.

3. Were all required parameters reported for each site? YES [X] NO []
Comments, including identity of monitoring site:

4. Were irregularities found in the data? YES [X] NO []
Comments, including identity of monitoring site:

DCR04: oil and grease (n = 28) was outside the two standard deviation range;

DCR06: oil and grease (n = 27) was outside the two standard deviation range;

DCWR1: depth (n = 50) was outside the two standard deviation range; this appears to be a data-entry error;

HCC01: water temperature (n = 87) was outside the two standard deviation range;

HCC02: water temperature (n = 86) was outside the two standard deviation range;

HCC04: water temperature (n = 88) and oil and grease (n = 17) were outside the two standard deviation range;

RCW4: oil and grease (n = 13) was outside the two standard deviation range;

UPDES UT0023604-002 - June: water temperature (n = 253) was outside the two standard deviation range;

EM-47 – May: depth is reported as flow;

DCP-1: elevation has been incorrectly reported as depth.

5. Were DMR forms submitted for all required sites?

Identify sites and months not monitored:

1 st month,	YES [X]	NO []
2 nd month,	YES [X]	NO []
3 rd month,	YES [X]	NO []

6. Were all required DMR parameters reported? YES [X] NO []
Comments, including identity of monitoring site:

7. Were irregularities found in the DMR data? YES [] NO [X]

8. Based on your review, what further actions, if any, do you recommend?

The Permittee needs to provide missing data for RCF1, EM-47, DRC01, and MHC01;

The reason incorrect depths are being entered at DCWR1 needs to be identified and corrected;

Water elevation at DCP-1 needs to be entered as “water elevation”, not “depth”;

For May, depth at EM-47 needs to be entered as “depth”, not “flow”;

DMR TDS Quarter Average, a parameter required for UT0023604-002, needs to be added to the APPX database;

Numerous values were outside the two standard deviation range. None of the values are extreme. Recommended action is to watch for trends..